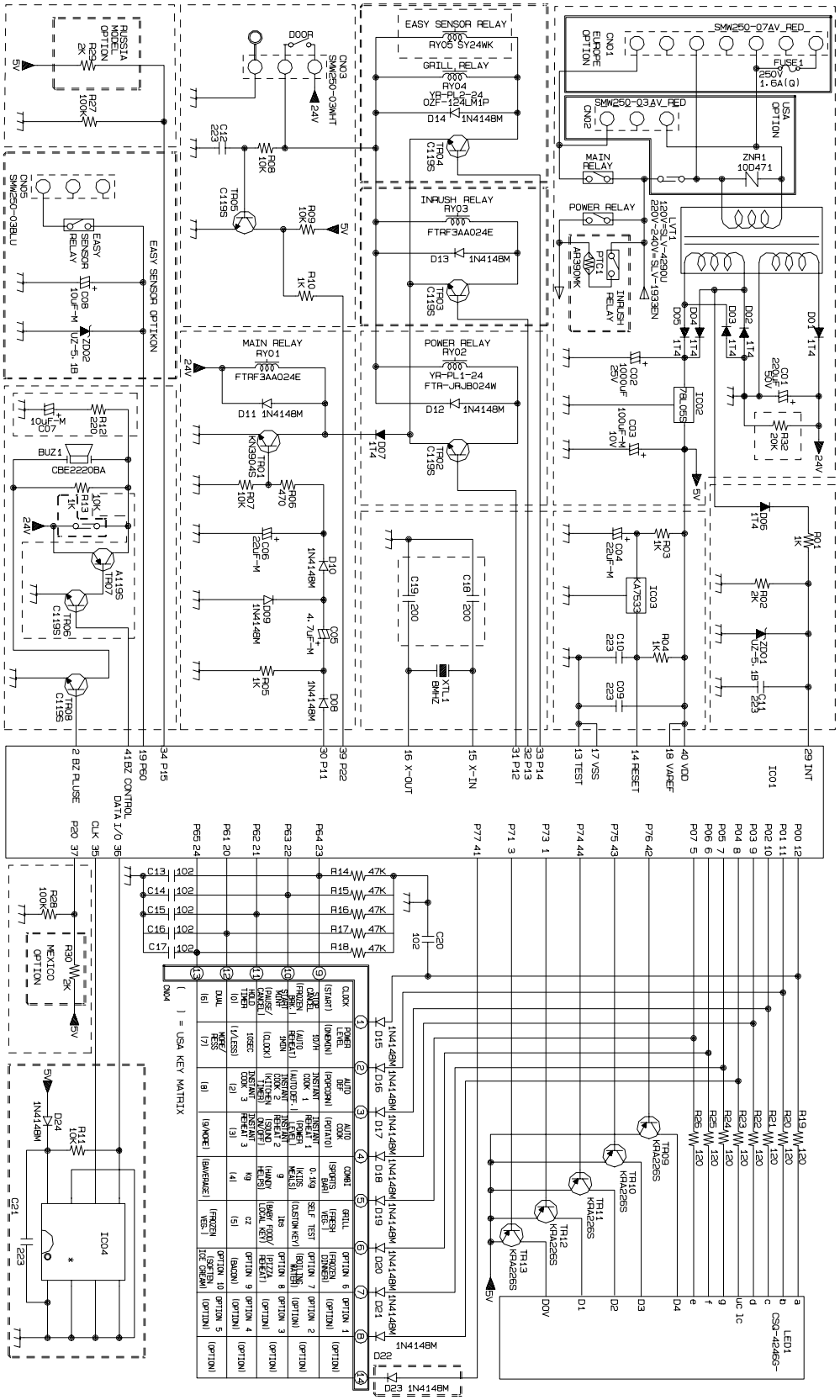
# 8. P.C.B Diagrams

## 8-1 P.C.B Diagrams



N2LED1
SCHEMATIC

# 8-2 P.C.B Parts List

| Code No. | Description | Specification | Q'ty | Remark |
|---|---|---|---|---|
| 3501-001062 | RELAY-POWER | 24VDC,523.2mW,16A,1FormA,15mS, | 1 | RY02 |
| 3501-001068 | RELAY-POWER | 24Vdc,523mW,16A,1FormA,15mS,10 | 1 | RY04 |
| 3501-001155 | RELAY-MINIATURE | 24VDC,200MW,3000MA,1FORMA,10MS,10MS | 1 | RY01,RY03 |
| 3601-001126 | FUSE-CARTRIDGE | 250V,1.6A,FAST-ACTING,CERAMIC,5x20mm | 1 | FUSE1 |
| 3708-001551 | CONNECTOR-FPC/FFC/PIC | 14P,1.25mm,STRAIGHT,SN | 1 | CN04 |
| DE07-00021B | LED DISPLAY | CSQ-4246G-01,-,-,40seg,5digit,45.2*2 | 1 | LED1 |
| DE09-00054A | IC MICOM | TPM87CH47U,OTP-16K,QFP,-,-,-,-,-,-,- | 1 | IC01 |
| DE26-00034A | TRANS L.V | SLV-1933EN,230V,50Hz,7.0V/17V,-,35*11,PIN,- | 1 | LVT1 |
| DE30-20016A | BUZZER | CBE2220BA,STICK,-,-,-,-,-,-,- | 1 | BUZ1 |
| DE47-40024A | HOLDER-FUSE | FH-51H,7.5A,-,-,-,-,- | 1 | FUSE1 |
| 0401-001083 | DIODE-SWITCHING | MM4148,100V,150MA,LL-34,TP | 17 | D08~D23 |
| 0402-001103 | DIODE-RECTIFIER | 1T4,400V,1A,TS-1,TP | 7 | D01~D07 |
| 0403-001288 | DIODE-ZENER | ZMM55C5V1,4.8-5.4V,500MW,LL-34,TP | 1 | ZD01 |
| 0501-000465 | TR-SMALL SIGNAL | MMBT3904,NPN,350MW,SOT-23,TP,30-300 | 1 | TR01 |
| 0504-001008 | TR-DIGITAL | RN2427,PNP,200MW,2.2K/10K,SOT-23,TP | 5 | TR09~TR13 |
| 0504-001080 | TR-DIGITAL | KRC246S,NPN,200mW,2.2K/10K,SOT-23,TP | 5 | TR02~TR05,TR08 |
| 1202-000141 | IC-VOLTAGE COMP. | 7033,SOT-89,3P,-,SINGLE,0V,-,P | 1 | IC03 |
| 1203-001037 | IC-VOLTAGE REGULATOR | 78L05,SOT-89,3P,185MIL,PLASTIC | 1 | IC02 |
| 1404-001194 | THERMISTOR-PTC | 39ohm,20%,220/240V,270Vac,1.2A,-,TP | 1 | PTC1 |
| 2007-000033 | R-CHIP | 0OHM,5%,1/8W,DA,TP,3216 | 4 | J11~J13,J16 |
| 2007-000282 | R-CHIP | 100KOHM,5%,1/10W,DA,TP,2012 | 2 | R27,R28 |
| 2007-000300 | R-CHIP | 10KOHM,5%,1/10W,DA,TP,2012 | 4 | R07~R09,R13 |
| 2007-000346 | R-CHIP | 120OHM,5%,1/8W,DA,TP,3216 | 8 | R19~R26 |
| 2007-000468 | R-CHIP | 1KOHM,5%,1/10W,DA,TP,2012 | 5 | R01,R03~R05,R10 |
| 2007-000671 | R-CHIP | 2KOHM,5%,1/10W,DA,TP,2012 | 1 | R02 |
| 2007-000931 | R-CHIP | 470OHM,5%,1/10W,DA,TP,2012 | 1 | R06 |
| 2007-000941 | R-CHIP | 47KOHM,5%,1/10W,DA,TP,2012 | 5 | R14~R18 |
| 2203-000444 | C-CERAMIC,CHIP | 1nF,10%,50V,X7R,TP,2012,- | 5 | C13~C17,C20 |
| 2203-001608 | C-CERAMIC,CHIP | 22nF,+80-20%,50V,Y5V,TP,2012 | 4 | C09~C12 |
| 2401-000151 | C-AL | 1000uF,20%,25V,GP,TP,10x20,5 | 1 | C02 |
| 2401-000244 | C-AL | 100uF,20%,10V,GP,TP,6.3x7,5 | 1 | C03 |
| 2401-000911 | C-AL | 22uF,20%,16V,GP,TP,5x7,5 | 2 | C04,C06 |
| 2401-002075 | C-AL | 4.7uF,20%,50V,GP,TP,5x11,5 | 1 | C05 |
| 2401-002598 | C-AL | 220uF,20%,50V,GP,TP,10x16,5 | 1 | C01 |
| 2802-000188 | RESONATOR-CERAMIC | 8MHz,0.5%,TP,10.0x5.0x8.0mm | 1 | XTL1 |
| 3711-000881 | CONNECTOR-HEADER | BOX,3P,1R,2.5mm,STRAIGHT,SN | 1 | CN03 |
| 3711-004200 | CONNECTOR-HEADER | BOX,5P/7P,1R,2.5MM,STRAIGHT,SN | 1 | CN01 |
| DE39-60001A | WIRE-SO COPPER | ,PI0.6,SN,T,52MM TAPING_WIRE, | 9 | J01~J09 |
| DE60-60012A | PIN-EYELET | ID2.1,OD2.5,L3.0,SN,BSP,T0.25, | 2 | - |